INTERNATIONAL SEARCH REPORT

Internation No PCT/IB2004/000419

A CLASSI IPC 7	FICATION OF SUBJECT MATTER B01D35/147 B01D27/10								
According to	o International Patent Classification (IPC) or to both national clas	sification and IPC							
B. FIELDS SEARCHED									
	ocumentation searched (classification system followed by classification sy	ication symbols)							
IPC 7	B01D								
Documentat	tion searched other than minimum documentation to the extent to	hat such documents are included in the fields s	earched						
Electronic d	ata base consulted during the International search (name of dat	a base and, where practical, search terms used	1)						
EPO-In	ternal, PAJ, WPI Data								
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the	Relevant to claim No.							
Α	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 047518 A (MITSUBISHI E CORP), 23 February 1999 (1999-abstract	1,5							
A A	EP 1 312 405 A (FILTRAUTO) 21 May 2003 (2003-05-21) figure 2	1,5-10							
A	US 3 970 557 A (SHOUP STEPHEN 0 20 July 1976 (1976-07-20) figure 1	1,5-10							
·A	US 2003/010725 A1 (DRUGA LARRY 16 January 2003 (2003-01-16) figures 3-7	1,5-10							
Furt	her documents are listed in the continuation of box C.	Patent family members are listed	In annex.						
Special categories of cited documents: "T" later document published after the international filing date									
"A" docume	ent defining the general state of the art which is not	or priority date and not in conflict with cited to understand the principle or th	the application but						
1	dered to be of particular relevance document but published on or after the international	invention "X" document of particular relevance; the							
filing date		cannot be considered novel or canno involve an inventive step when the do	t be considered to						
which	ant which may throw doubts on priority dalm(s) or is cited to establish the publication date of another	"Y" document of particular relevance; the	claimed invention						
1	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an in document is combined with one or m	ore other such docu-						
other r	means	ments, such combination being obvio in the art.	us to a person skilled						
later th	ent published prior to the international filing date but han the priority date claimed	"&" document member of the same patent	"&" document member of the same patent family						
Date of the	actual completion of the international search	Date of malling of the international sea	urch report						
6	July 2004	13/07/2004	13/07/2004						
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	Authorized officer						
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016		Hoffmann, A	Hoffmann, A						

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation I Application No
PCT/IB2004/000419

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 11047518	Α	23-02-1999	JP	3468041 B2	17-11-2003
EP 1312405	A	21-05-2003	FR EP	2832323 A1 1312405 A1	23-05-2003 21-05-2003
US 3970557	A	20-07-1976	GB JP JP	1466805 A 50096974 A 57018930 B	09-03-1977 01-08-1975 20-04-1982
US 2003010725	A1	16-01-2003	NONE		